

SEQUENCE LISTING

<110> Crow, Mary K.

<120> MARKERS FOR DISEASE SUSCEPTIBILITY AND TARGETS FOR THERAPY

<130> 5983/2H567

<140> to be added

<141> 2001-12-19

<150> 60/256,673

<151> 2000-12-19

<160> 15

<170> PatentIn version 3.1

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<212> DNA

<213> Homo sapiens

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<308> GenBank Accession No. U09116

<309> 1995-02-02

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Arg Ser Asn Tyr Ser Glu Leu Arg Glu Asp Ile Gln Thr Lys Gly Lys
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Glu Val Glu Asn Phe Glu Lys Asn Leu Glu Glu Cys Ile Thr Arg Ile
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Thr Asn Thr Glu Lys Cys Leu Lys Glu Leu Met Glu Leu Lys Thr Lys
85 90 95

Ala Arg Glu Leu Arg Glu Glu Cys Arg Ser Leu Arg Ser Arg Cys Asp
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Gln Leu Glu Glu Arg Val Ser Ala Met Glu Asp Glu Met Asn Glu Met
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Lys Arg Glu Gly Lys Phe Arg Glu Lys Arg Ile Lys Arg Asn Glu Gln
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Ser Leu Gln Glu Ile Trp Asp Tyr Val Lys Arg Pro Asn Leu Arg Leu
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Ile Gly Val Pro Glu Ser Asp Val Glu Asn Gly Thr Lys Leu Glu Asn
165 170 175

Thr Leu Gln Asp Ile Ile Gln Glu Asn Phe Pro Asn Leu Ala Arg Gln
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Ala Asn Val Gln Ile Gln Glu Ile Gln Arg Thr Pro Gln Arg Tyr Ser
195 200 205

Ser Arg Arg Ala Thr Pro Arg His Ile Ile Val Arg Phe Thr Lys Val
210 215 220

Glu Met Lys Glu Lys Met Leu Arg Ala Ala Arg Glu Lys Gly Arg Val
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Thr Leu Lys Gly Lys Pro Ile Arg Leu Thr Ala Asp Leu Ser Ala Glu
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Thr Leu Gln Ala Arg Arg Glu Trp Gly Pro Ile Phe Asn Ile Leu Lys
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Glu Lys Asn Phe Gln Pro Arg Ile Ser Phe Pro Ala Lys Leu Ser Phe
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Ile Ser Glu Gly Glu Arg Lys Tyr Phe Thr Asp Lys Gln Met Leu Arg
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Asp Phe Val Thr Thr Arg Pro Thr Leu Lys Glu Leu Leu Lys Glu Ala
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Lys Met

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Ser Gln Asp Pro Ser Val Cys Cys Ile Gln Glu Thr His Leu Met Cys
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Arg Asp Thr His Arg Leu Lys Ile Lys Gly Trp Arg Lys Ile Tyr Gln
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Ala Asn Gly Lys Gln Lys Lys Ala Gly Val Ala Ile Leu Val Ser Asp
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Lys Thr Asp Phe Lys Pro Thr Lys Ile Lys Arg Asp Lys Glu Gly His
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Thr Arg Gln Gly Cys Pro Leu Ser Pro Leu Leu Phe Asn Ile Val Leu
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Glu Val Leu Ala Arg Ala Ile Arg Gln Glu Lys Glu Ile Lys Gly Ile
675 680 685

Ile Val Tyr Leu Glu Asn Pro Ile Val Ser Ala Gln Asn Leu Leu Lys
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Lys Ser Gln Ala Phe Leu Tyr Thr Asn Asn Arg Gln Thr Glu Ser Gln
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Asn Ile Pro Cys Ser Trp Val Gly Arg Ile Asn Ile Val Lys Met Ala
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Pro Met Thr Phe Phe Thr Glu Leu Glu Lys Thr Thr Leu Lys Phe Ile
835 840 845

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Ile	Pro	Leu	Leu	Gly	Ile	Tyr	Pro	Glu	Asp	Tyr	Lys	Ser	Cys	Cys
1175						1180					1185			
Tyr	Lys	Asp	Thr	Cys	Thr	Arg	Met	Phe	Ile	Ala	Ala	Leu	Phe	Thr
1190						1195					1200			
Ile	Ala	Lys	Thr	Trp	Asn	Gln	Pro	Lys	Cys	Pro	Thr	Met	Ile	Asp
1205						1210					1215			
Trp	Ile	Lys	Lys	Met	Trp	His	Ile	Tyr	Thr	Met	Glu	Tyr	Tyr	Ala
1220						1225					1230			

Ala Ile Lys Asn Asp Glu Phe Ile Ser Phe Val Gly Thr Trp Met
 1235 1240 1245

Lys Leu Glu Thr Ile Ile Leu Ser Lys Leu Ser Gln Glu Gln Lys
 1250 1255 1260

Thr Lys His Arg Ile Phe Ser Leu Ile Gly Gly Asn
 1265 1270 1275

<210> 4
 <211> 830
 <212> DNA
 <213> Homo Sapiens

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 agctgggttaa gatccttgat tgattgagat tacattctaa caggtagagt agacttaata 180
 gctaatatca gaaaagatta gcagatttat tctactgtgtt atttgtactt ttatttctcca 240
 ttgccttac cctgtatttg aagaaagttt tgccttgctt tttgatgtga atgaaattaa 300
 gcttggtatt cacaaccgtg gttgaattta agaatgttc tattttttaca tggggaagac 360
 ggtgctcaag taatacttgc aggtactagc acccaggatt taggagtcca gtccagtttt 420
 agctacacaa aagtcttaag tacacaaatt gccaatagag cagaactata taattcatag 480
 atttgctcat tattaatctc aaggaaatca gctcttttaa tatatgtatt taatgaatgt 540
 gaaatttttg ggaaggggaa ctactatgta ttaagccata atattttatt tacttaaaaa 600
 atttttaaac aaagtaatac tagtcattgt gagaatgcta ttctaaaaaa aaaaaaagtc 660
 ccctggccac cttctctttc catccctaga gaccgaacat tttcaaaatt tgtagctact 720
 tcttctactt agcctccatg tattaaacta atatgtgtaa taagaataat ccgggggagg 780
 agccaagatg gccgaatagg aacagctccg gtctacagct cccagcgtga 830

<210> 5

<211> 1103
<212> DNA
<213> Homo sapiens

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gtgccagaca gtgggcgagc gccagtgtgt gtgcgcaccg tgcgcgagcc gaagcagggc 180
gaggcattgc ctcacctggg aagcgcaagg ggtcagggag ttccctttcc gagtcaaaga 240
aaggggtgac ggacgcacct ggaaaatcgg gtcactccca cccgaatatt gcgcttttca 300
gaccggctta agaaacggcg caccacgaga ctatatccca cacctggctc agaggggtcct 360
acgcccacgg aatctcgctg attgctagca cagcagtctg agatcaaacg gcaaggcggc 420
acgaggctg ggggaggggc gcccgccatt gcccaggctt gcttaggcaa acaaagcagc 480
tgggaagctc gaactgggtg gagcccacca cagctcaagg aggctgcct gcctctgtag 540
gctccacctc tgggggagcgc gcacagacaa acaaaaagac agcagtaacc tctgcagact 600
taagtgtccc tgtctgacag ctttgaagag agcagtgggt ctcccagcac gcagctggag 660
atctgagaac gggcagactg cctcctcaag tgggtccctg acccctgacc cccgagcagc 720
ctaactggga ggcaccccc agcagggcac actgacacct cacacagcag ggtattccaa 780
cagacctgca gctgaggggc ctgtctgtta gaaggaaaac taacaaccag aaaggacatc 840
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aagatgggga aaaaacagaa cagaaaaact ggaaactcta aaacgcagag cgcctctcct 960
cctccaaagg aacgcagttc ctcaccagca acagaacaaa gctggatgga gaatgatttt 1020
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<210> 6
<211> 1104
<212> DNA
<213> Homo sapiens

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 gtgccagaca gtggg'gcag gccagtgtgt gtgcgcaccg tgcgcgagcc gaagcagggc 180
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 aaggggtgac ggacgcacct ggaaaatcgg gtcactccca cccgaatatt gcgcttttca 300
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 acgcccacgg aatctcgctg attgctagca cagcagtctg agatcaaacg gcaaggcggc 420
 aacgaggctg ggggaggggc gcccgccatt gcccaggctt gcttaggcaa acaaagcagc 480
 tgggaagctc gaactgggtg gagcccacca cagctcaagg aggcctgcct gcctctgtag 540
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 ctaactggga ggcaccccc agcaggggca cactgacacc tcacacagca gggatttcca 780
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 <212> DNA
 <213> Homo Sapiens

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agagctgttc ctatttagcc atcttggccc ctccccctt gaaaattcca tttctttaat	180
agatataggg ctattgaggc tatttctcct taaatgaacc tagatagttt gtgtgcagct	240
gtcaaggaat ttgtccattt tatctaagtt gtcataattt tctatataaa gtttttcata	300
atattcgttt attatctatt taccgtctat agcagtactg atggcttttg aatactagca	360
cggctaattg caaatctata gtcatgtcac ctgtctcatt cctaagattt aaaaatgcac	420
tgcaggacac aaagttattc cacacacctc gacttagctt atttgtgtat ttcttccaag	480
agaaaaaaaa aaaagaggcc aggcattggtg gctcacgcct gtaatcccag cactttggga	540
gctgaggca ggtggatcac tttaggtcag gagtttgaga tcagcctggc caacatggcg	600

<210> 8
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 8	20
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<220>
 <223> PCR primer

<400> 9	20
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<210> 10
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<220>

<223> PCR primer

<400> 10

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<210> 11

<211> 20

<212> DNA

<213> Artificial Sequence

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<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 12

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<210> 13

<211> 20

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<400> 13

atgttggcca ggctgatctc

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<210> 14

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> PCR primer

<400> 14

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<211> 20

<212> DNA

<213> Artificial Sequence

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<223> PCR primer

<400> 15

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